



ASP-10 Series

Anti-Vandal IP68 Stainless Steel AI IP Camera | **Sony STARVIS™** 5MP & 8MP 4K

Sony STARVIS™ Technology

Back-Illuminated Stacked CMOS Sensor

- 4K 20fps real-time capture — optimized for AI analytics
- BSI pixel structure — 1.5x more light than conventional
- DOL-HDR 100dB — single-exposure HDR
- Near-infrared enhanced — superior night visibility
- Industry-proven: used by Axis, Hanwha, Bosch premium lines

Why Sony Sensor Matters

In critical deployments — ports, petrochemical plants, correctional facilities — image quality at night and in high-contrast scenes is not a luxury. It is an operational requirement.

The Sony IMX415 (8MP) and IMX335 (5MP) deliver genuine low-light sensitivity that generic sensors cannot match, ensuring AI detection algorithms receive the clean image data they need to perform accurately.

ASP-10: AirLink's commitment to uncompromised imaging.

Product Overview

The AirLink ASP-10 Series is a ruggedized, vandal-resistant stainless steel IP bullet camera engineered for demanding outdoor and industrial environments. Every ASP-10 is built exclusively on Sony STARVIS™ sensors — the same imaging platform trusted by leading global security brands — delivering genuine low-light performance where it matters most.

With IP68-rated weatherproofing, IK10-equivalent impact resistance, and a stainless steel housing rated from -40°C to +85°C, the ASP-10 operates reliably in environments where standard cameras fail. Available in 5MP (Sony IMX335) and 8MP 4K (Sony IMX415) variants.

Key Highlights

Protection & Durability

- IP68 — submersible, complete dust ingress protection
- Stainless steel housing — full corrosion resistance
- Vandal-proof / IK10 impact resistant design
- Operating range: -40°C ~ +85°C
- Lightning protection per GB/T17626.5 / IEC61000-4-5

Sony STARVIS™ Imaging

- Sony IMX335 (5MP) / IMX415 (8MP 4K)
- Back-illuminated stacked CMOS — 1.5x light sensitivity
- DOL-HDR 100dB — true single-exposure HDR
- 4K @ 20fps — tuned for real-time AI detection accuracy
- Near-infrared enhanced — optimized for 850nm IR

Technical Specifications

Specification	ASP-10-5.0MP Sony IMX335 STARVIS™	ASP-10-8.0MP Sony IMX415 STARVIS™
Camera		
Model Number	ASP-10-5.0MP	ASP-10-8.0MP
Imaging Sensor	Sony IMX335 STARVIS™ BSI, 1/2.8" CMOS	Sony IMX415 STARVIS™ BSI Stacked, 1/2.8" CMOS
SoC / ISP	Mstar MSC377DM	Mstar MSC378DE
Resolution (Max)	2592 × 1944 (5MP)	3840 × 2160 (8MP 4K)
Frame Rate	5MP @ 25fps 1080P/720P @ 30fps	4K @ 20fps 1080P @ 25fps 720P @ 30fps
Compression	H.265+ / H.265 / H.264 Dual-stream, CBR/VBR	H.265+ / H.265 / H.264 Dual-stream, CBR/VBR
Bit Rate	32 Kbps ~ 3.5 Mbps	32 Kbps ~ 5.0 Mbps
Optics & Night Vision		
Lens Options	2.8 / 3.6 / 6 / 8 mm fixed 2.8-12mm / 6-22mm / 5-50mm Auto	2.8 / 3.6 / 6 / 8 mm fixed 2.8-12mm / 6-22mm / 5-50mm Auto
Day/Night	IR-CUT dual optical filter, auto-switching	IR-CUT dual optical filter, auto-switching
IR Illumination	4x IR LED, effective range 50 m	4x IR LED, effective range 50 m
Min. Illumination	Color: 0.001 Lux @ F1.2 B/W: 0.0001 Lux @ F1.2 IR On: 0 Lux	Color: 0.001 Lux @ F1.2 B/W: 0.0001 Lux @ F1.2 IR On: 0 Lux
WDR (HDR)	DOL-HDR, up to 100 dB	DOL-HDR, up to 100 dB
S/N Ratio	≥ 50 dB	≥ 50 dB
Shutter Speed	1/10 ~ 1/10,000 s	1/10 ~ 1/10,000 s
Noise Reduction	3D-DNR	3D-DNR
Privacy Mask	4 zones	4 zones
Network & Interface		
Protocols	HTTP / HTTPS / RTSP / FTP / PPPoE DHCP / DDNS / NTP / ONVIF	HTTP / HTTPS / RTSP / FTP / PPPoE DHCP / DDNS / NTP / ONVIF
ONVIF	Yes	Yes
P2P	Default (Yes)	Default (Yes)
PoE	Optional (IEEE 802.3af/at)	Optional (IEEE 802.3af/at)
AI & Intelligent Features		
AI Detection	Humanoid / Car detection Motion detection Shadow alarm	Humanoid / Car detection Motion detection Shadow alarm
Network Alarm	Network cable break IP address conflict detection	Network cable break IP address conflict detection
Alarm Output	Email alert / FTP upload	Email alert / FTP upload
Protection & Environment		
IP Rating	IP68 (submersible, IEC 60529)	IP68 (submersible, IEC 60529)
Impact Resistance	Vandal-proof / IK10 equivalent (IEC 62262)	Vandal-proof / IK10 equivalent (IEC 62262)
Housing Material	Stainless steel, heat dissipation design	Stainless steel, heat dissipation design

Corrosion Resistance	Yes — stainless steel construction	Yes — stainless steel construction
Operating Temp.	-40°C ~ +85°C	-40°C ~ +85°C
Humidity	< 95% RH (non-condensing)	< 95% RH (non-condensing)
Lightning Protection	Power + Network + PoE GB/T17626.5 / IEC61000-4-5	Power + Network + PoE GB/T17626.5 / IEC61000-4-5
Electrical & Physical		
Power Input	DC 12V ± 10%	DC 12V ± 10%
Power Consumption	1.1 W (IR off) / 9.6 W (IR on)	1.1 W (IR off) / 9.6 W (IR on)
Dimensions	190 × 139 × 150 mm	190 × 139 × 150 mm
Weight	3.5 kg	3.5 kg
Accessories	Wall mount bracket / Ceiling bracket (optional) PoE add-on available	Wall mount bracket / Ceiling bracket (optional) PoE add-on available

Protection Ratings

IP68

IP68 — Maximum Ingress Protection (IEC 60529)

Digit 6: Complete dust-tight protection. Digit 8: Continuous submersion in water beyond 1 metre depth (manufacturer-specified, typically 2m / 30 min). IP68 is the highest IP rating in the standard, exceeding IP67.

IK10

Vandal-Proof

Vandal-Proof / IK10 Impact Resistance (IEC 62262)

IK10 is the highest mechanical impact protection rating, capable of withstanding 20 joule impacts (equivalent to a 5 kg mass dropped from 40 cm). Combined with a stainless steel housing, the ASP-10 is classified as vandal-resistant for high-risk public and industrial deployments.

Recommended Applications

Industrial & Energy

- Petrochemical & oil & gas plants
- Water treatment facilities
- Power generation sites
- Mining operations

Transportation & Marine

- Port & harbor perimeter
- Ship deck surveillance
- Rail & metro stations
- Bridge & tunnel monitoring

Public Safety & Critical Infra.

- Correctional facilities
- Food processing clean rooms
- Hospital sterile environments
- Urban perimeter & ATM

Ordering Information

Model Number	Sensor	Description	Lens Options
ASP-10-5.0MP	Sony IMX335	5MP IP68 Stainless Steel Bullet	Fixed: 2.8 / 3.6 / 6 / 8 mm

	STARVIS™	Camera	
ASP-10-5.0MP-Z	Sony IMX335 STARVIS™	5MP IP68 Stainless Steel, Motorized Zoom	Auto: 2.8-12mm / 6-22mm / 5-50mm
ASP-10-8.0MP	Sony IMX415 STARVIS™	8MP 4K IP68 Stainless Steel Bullet Camera	Fixed: 2.8 / 3.6 / 6 / 8 mm
ASP-10-8.0MP-Z	Sony IMX415 STARVIS™	8MP 4K IP68 Stainless Steel, Motorized Zoom	Auto: 2.8-12mm / 6-22mm / 5-50mm

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